

FIG. 1

FIG. 2

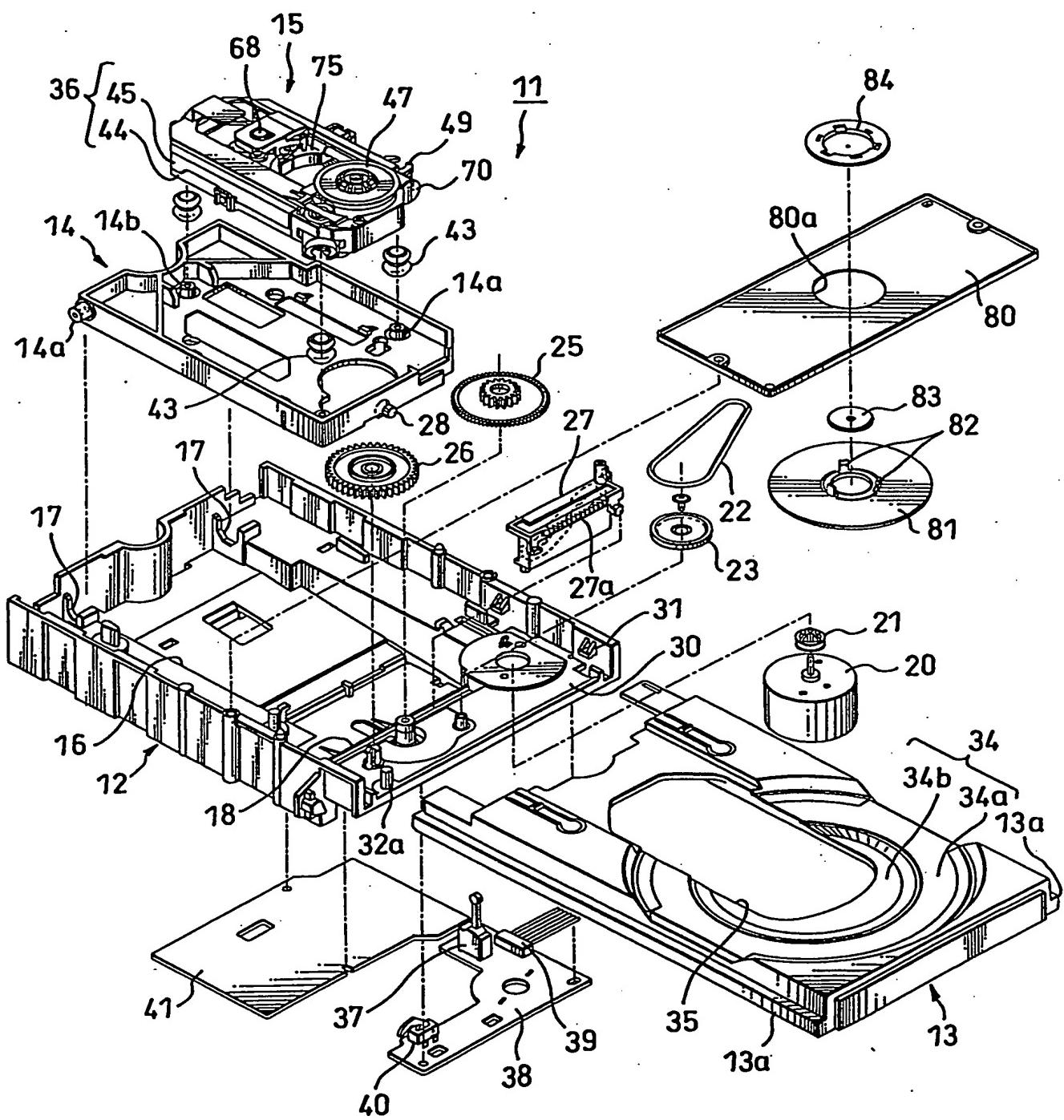


FIG. 3

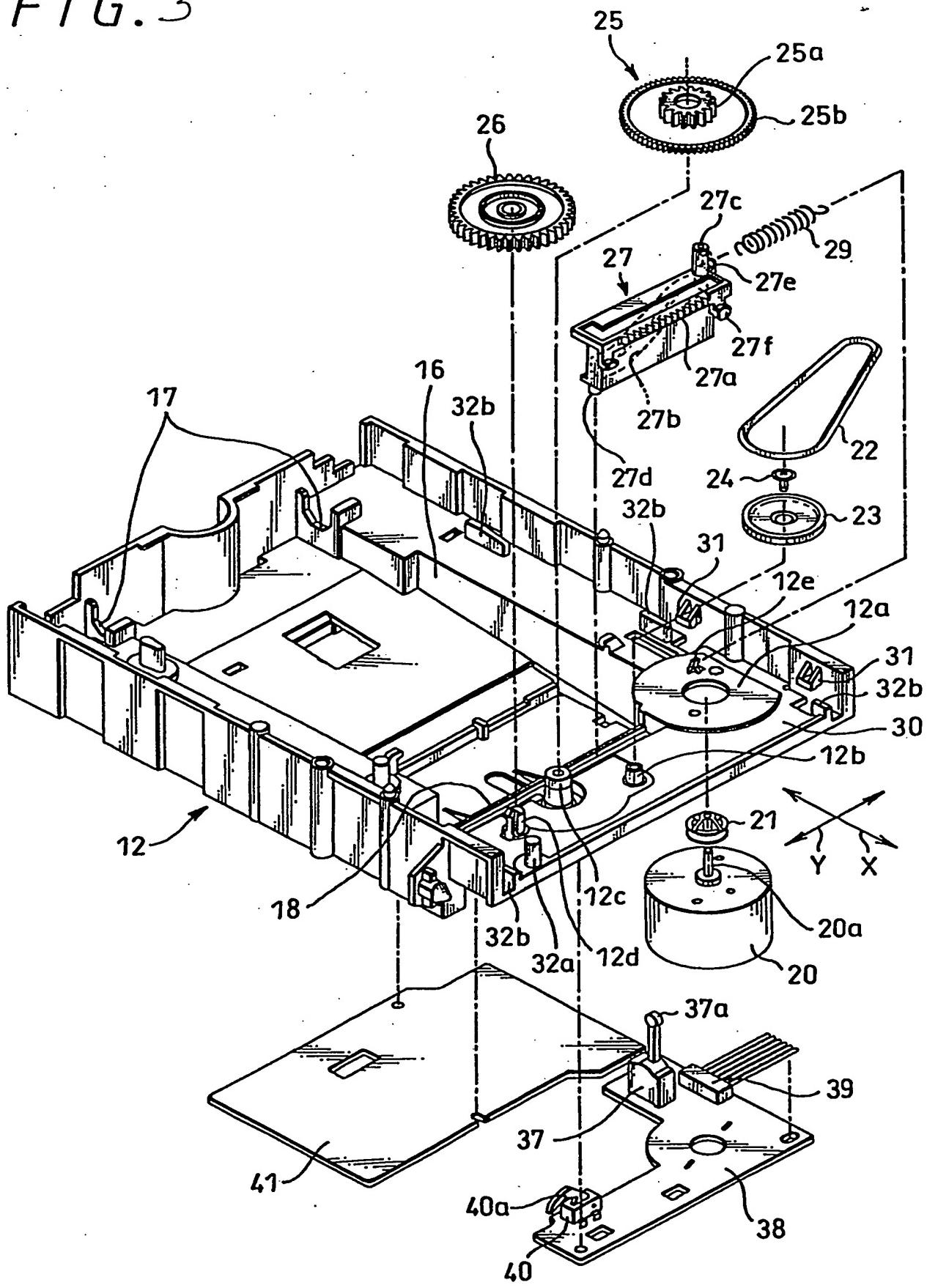


FIG. 4

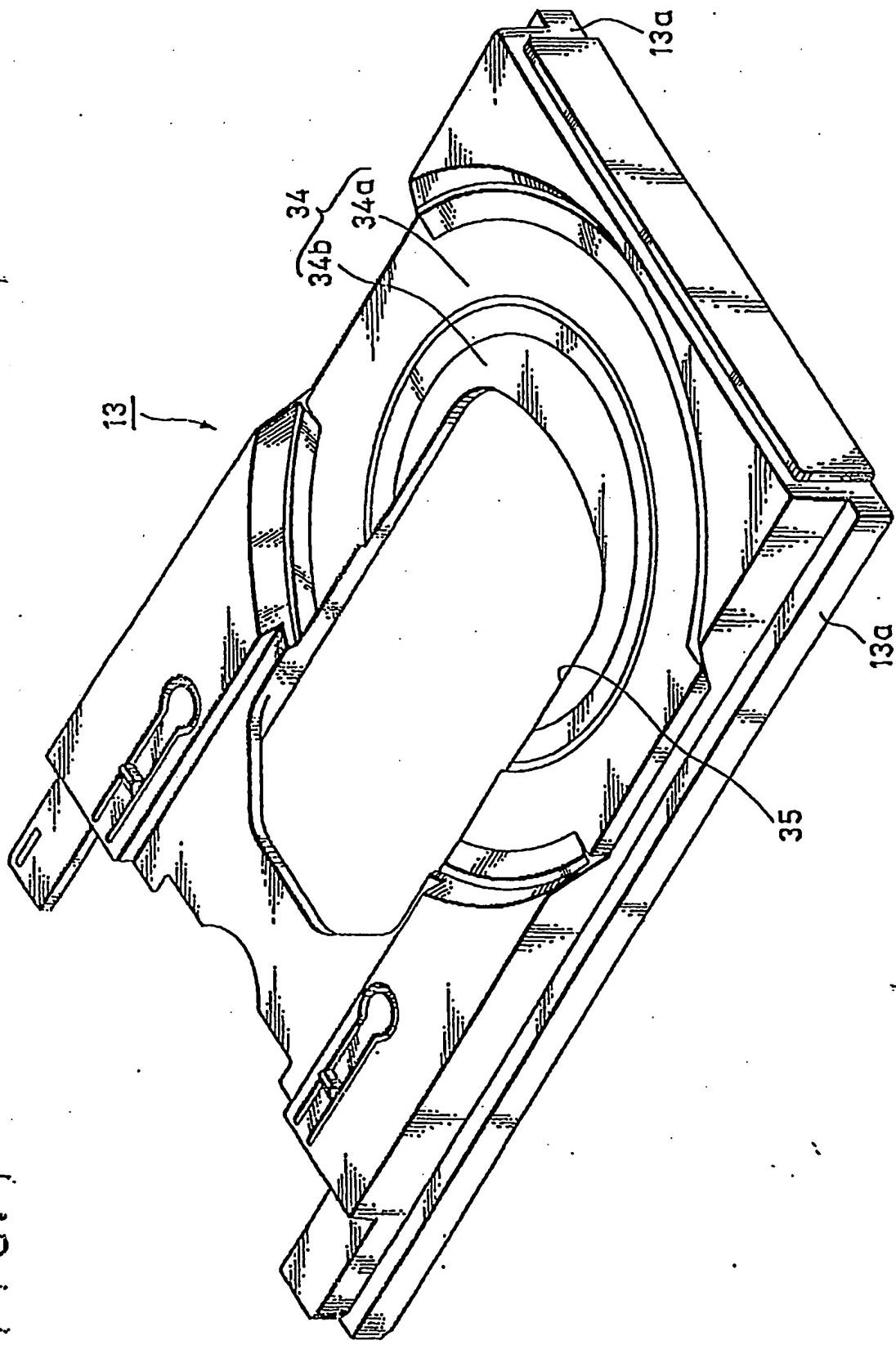


FIG. 5

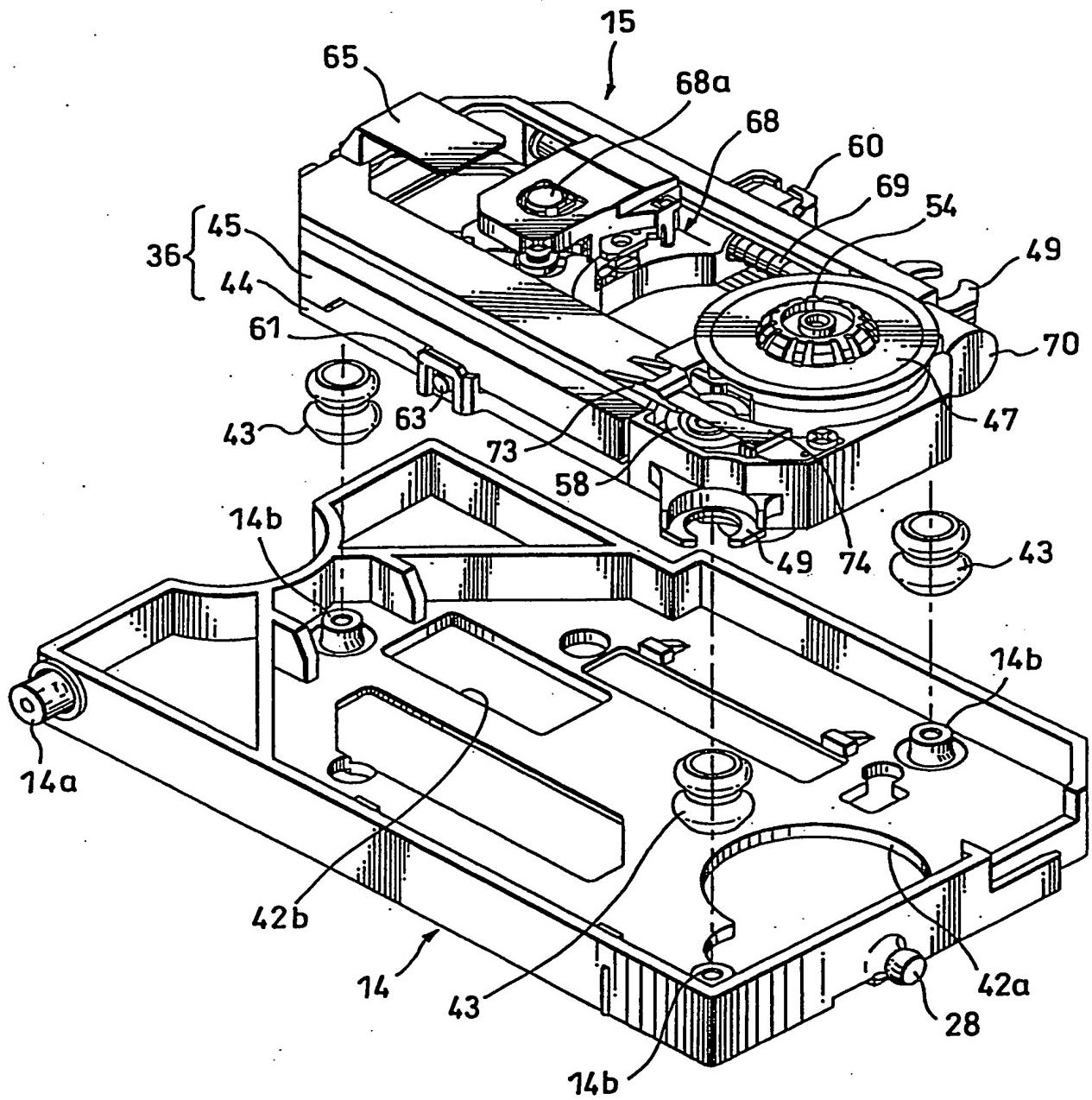


FIG. 6

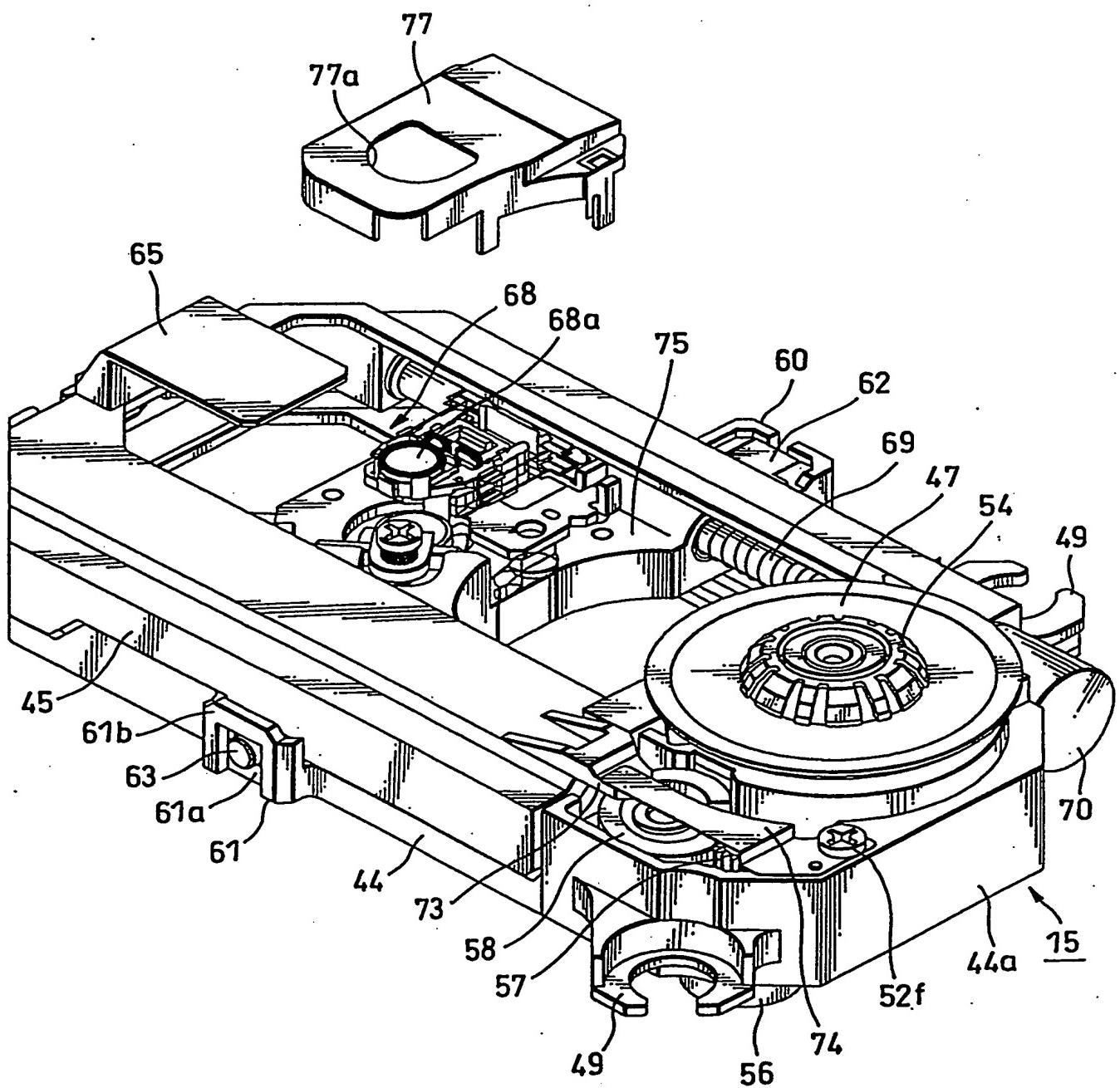
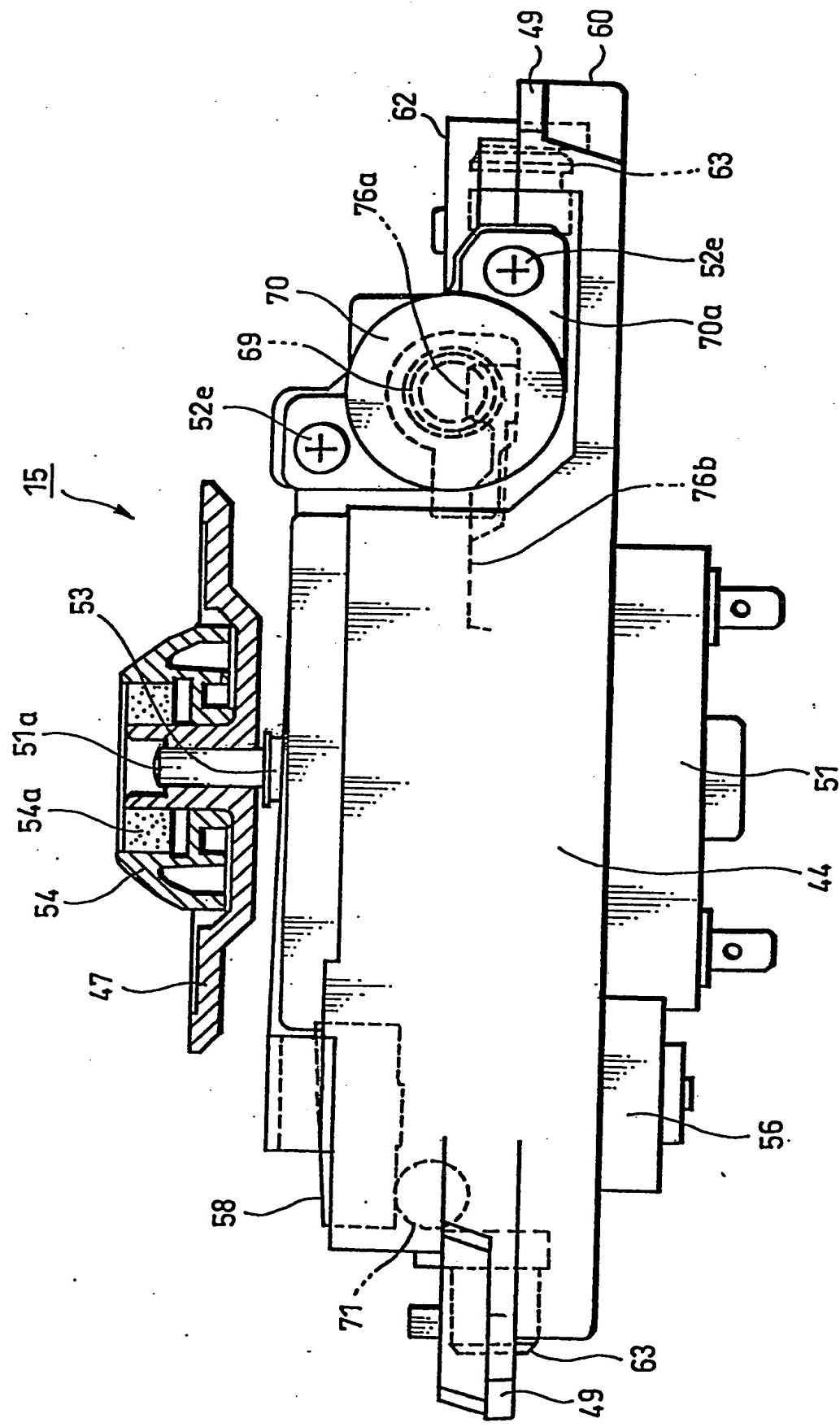


FIG. 7



F I G. 8

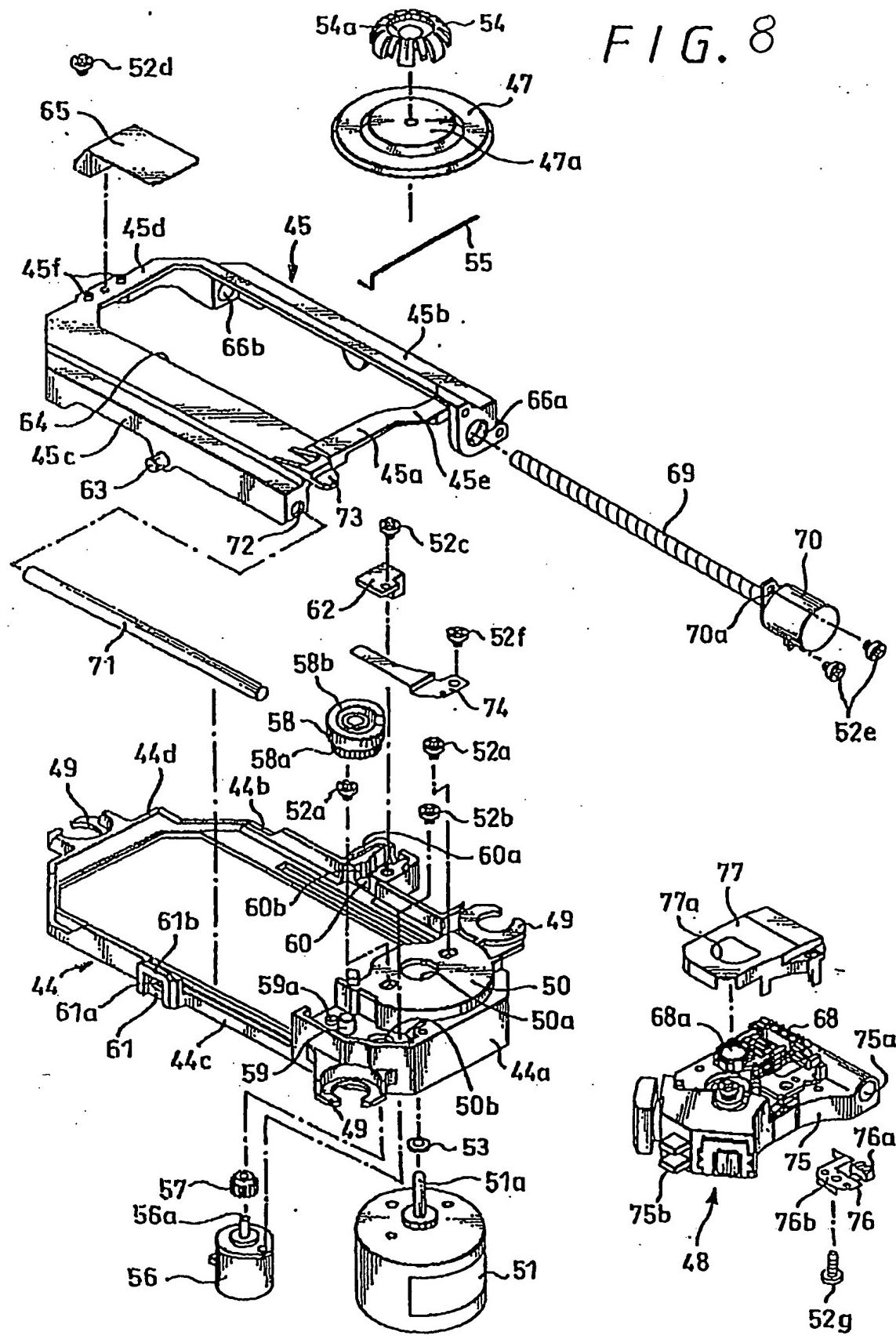


FIG. 9

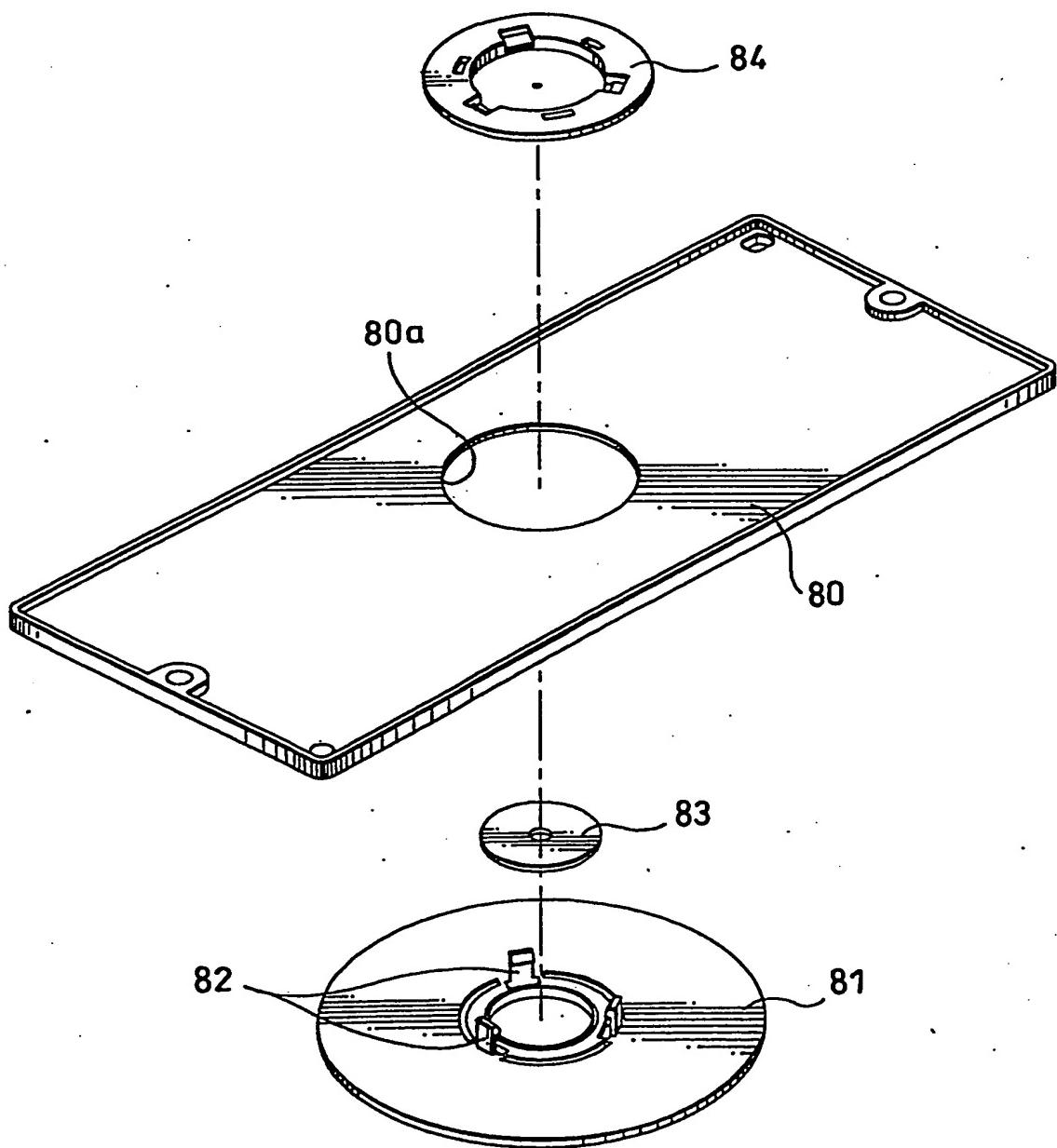
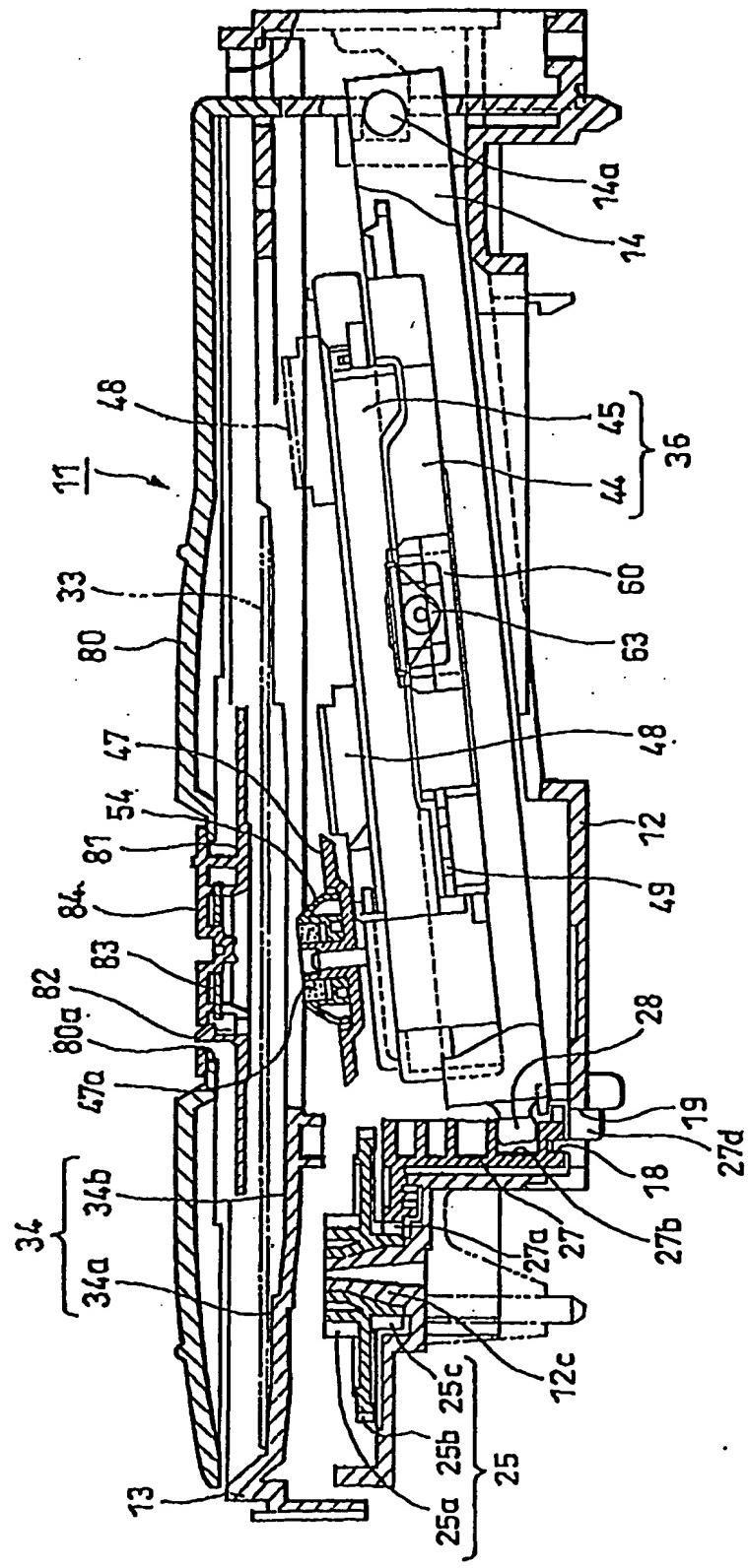


FIG. 10



F / G. //

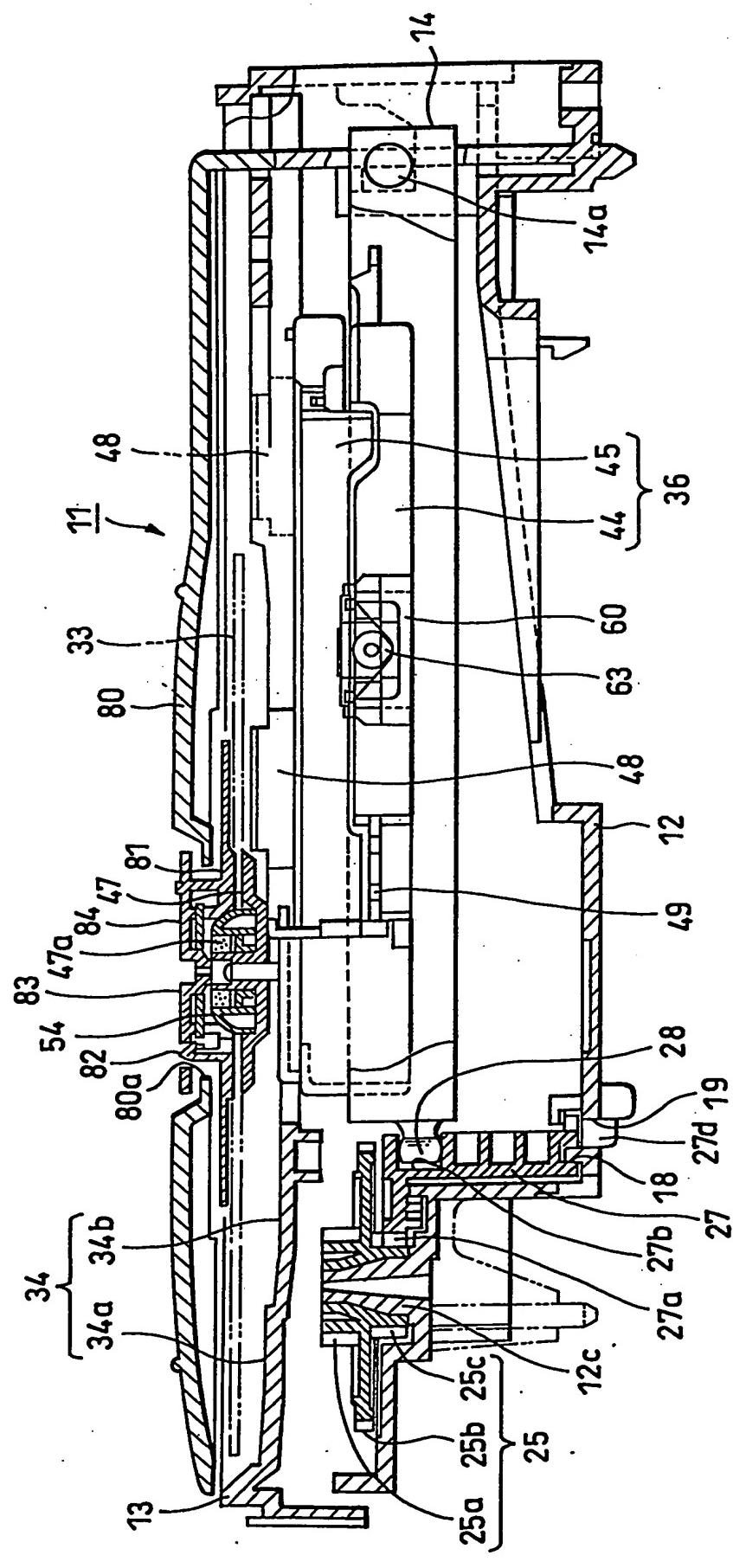


FIG. 12

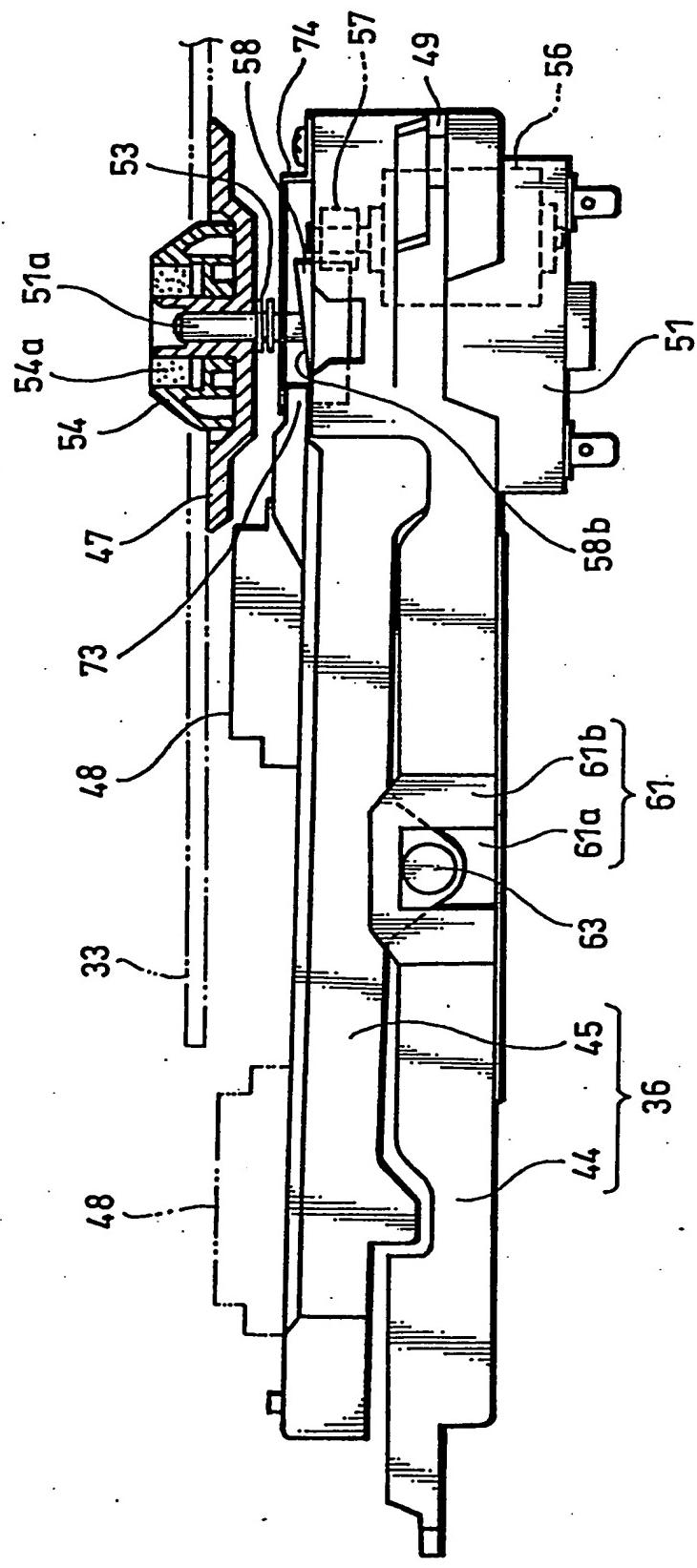


FIG. 13

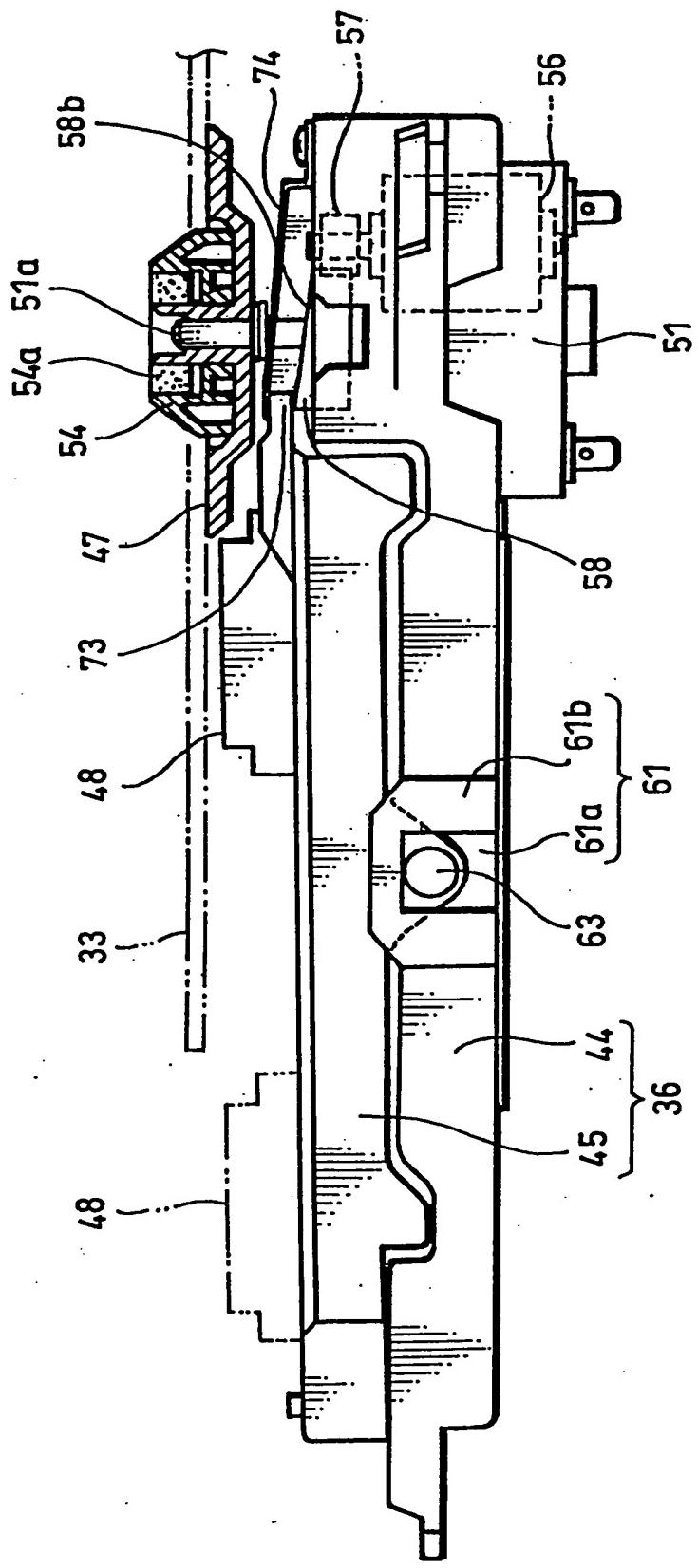


FIG. 14

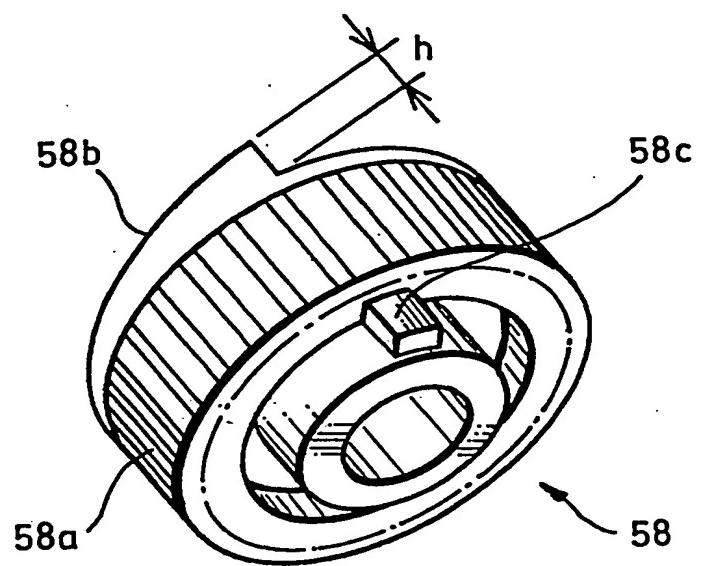
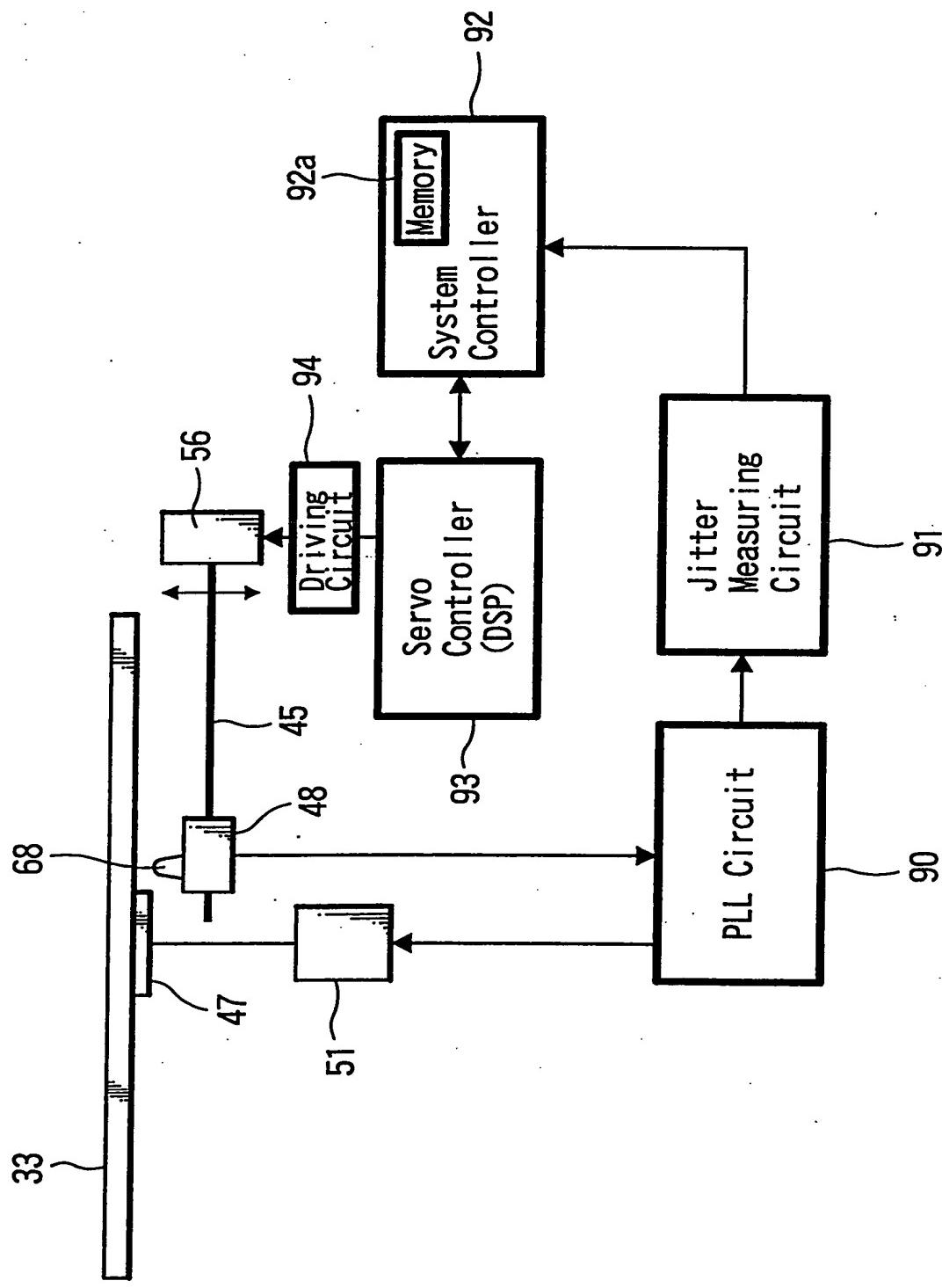


FIG. 15



F / G. 16

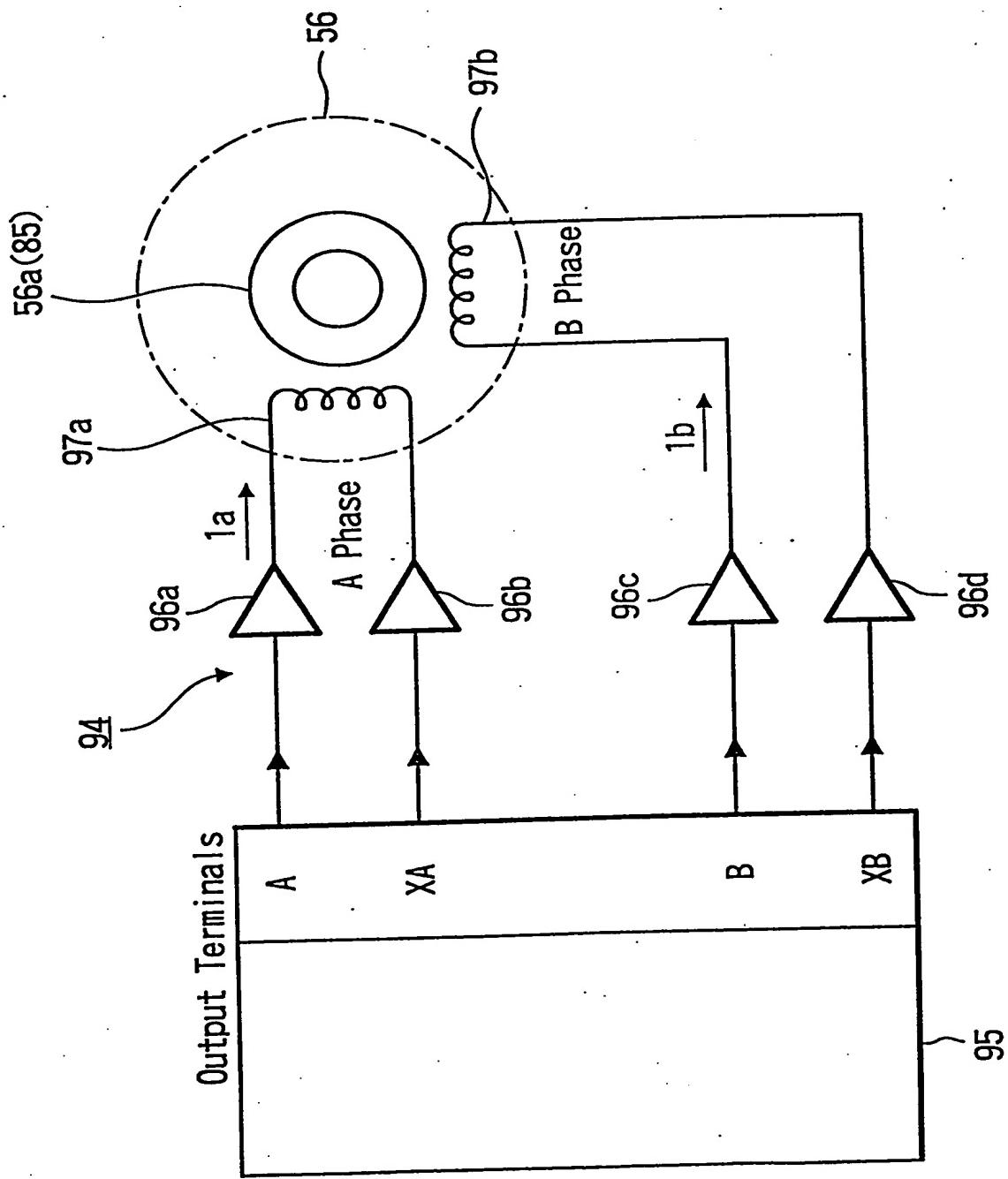


FIG. 17

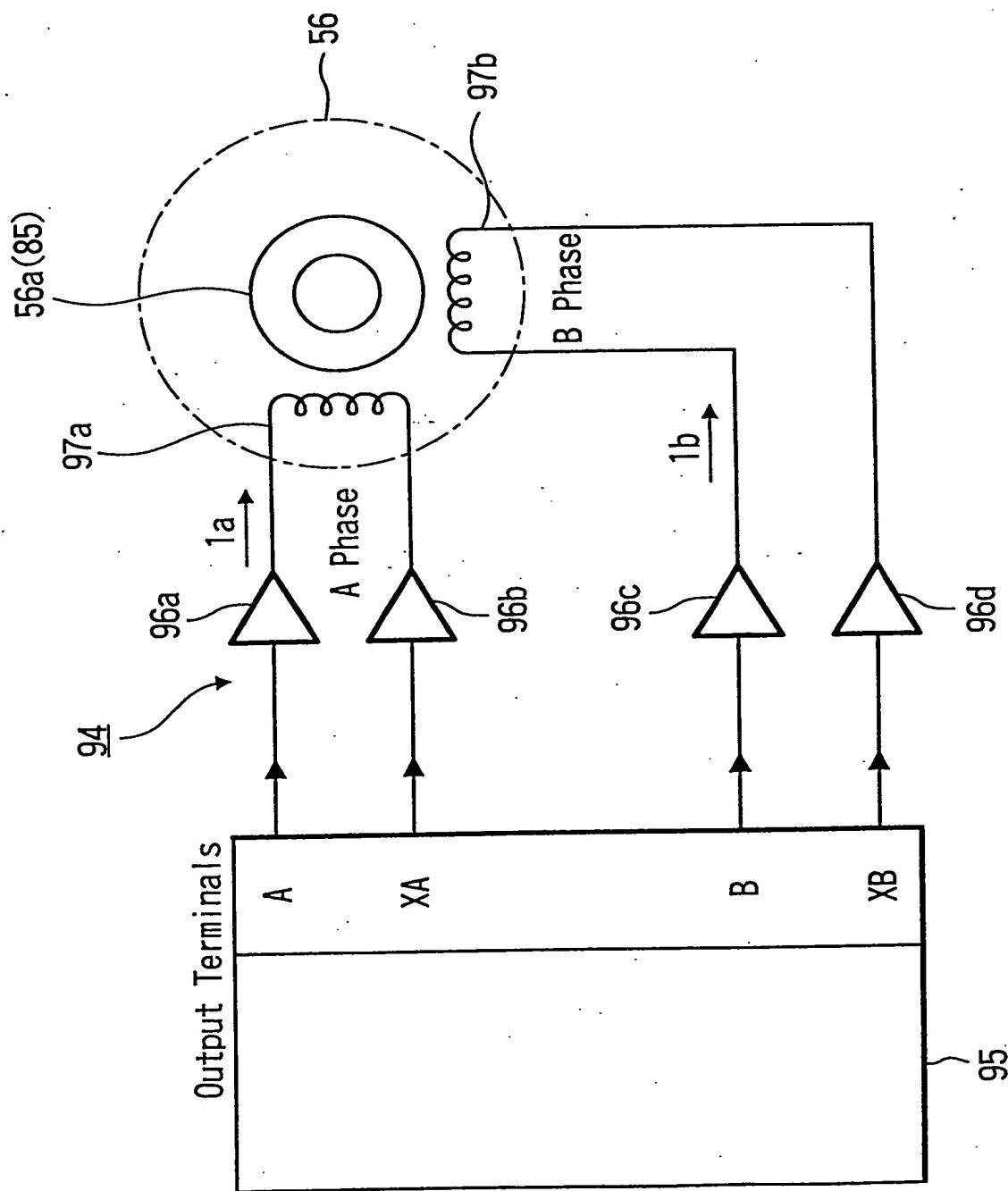
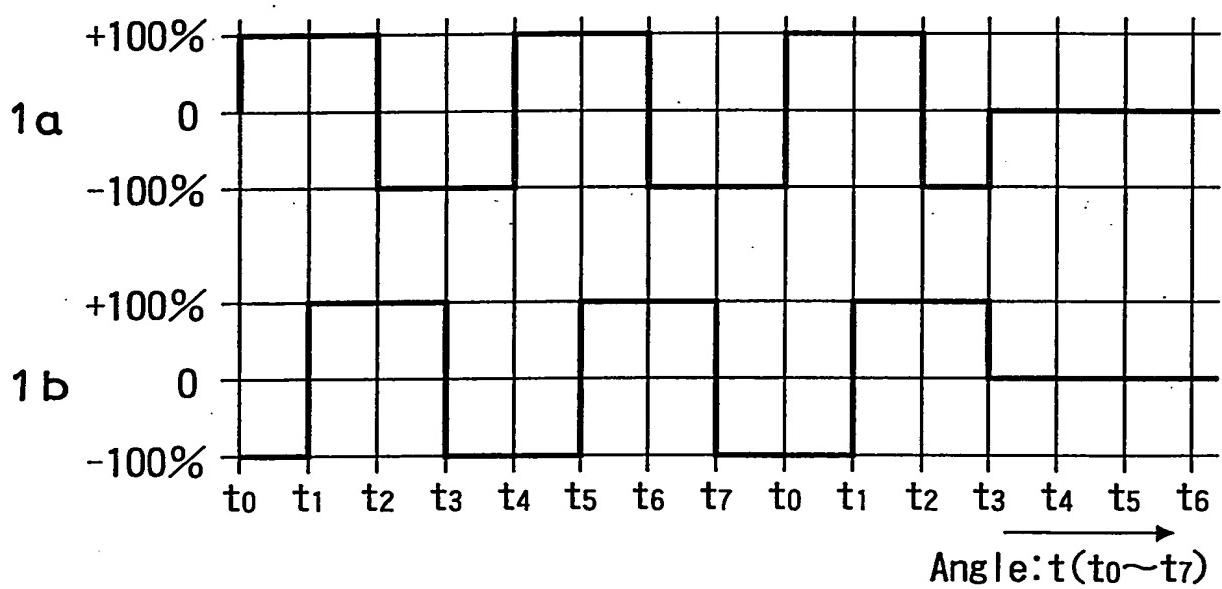
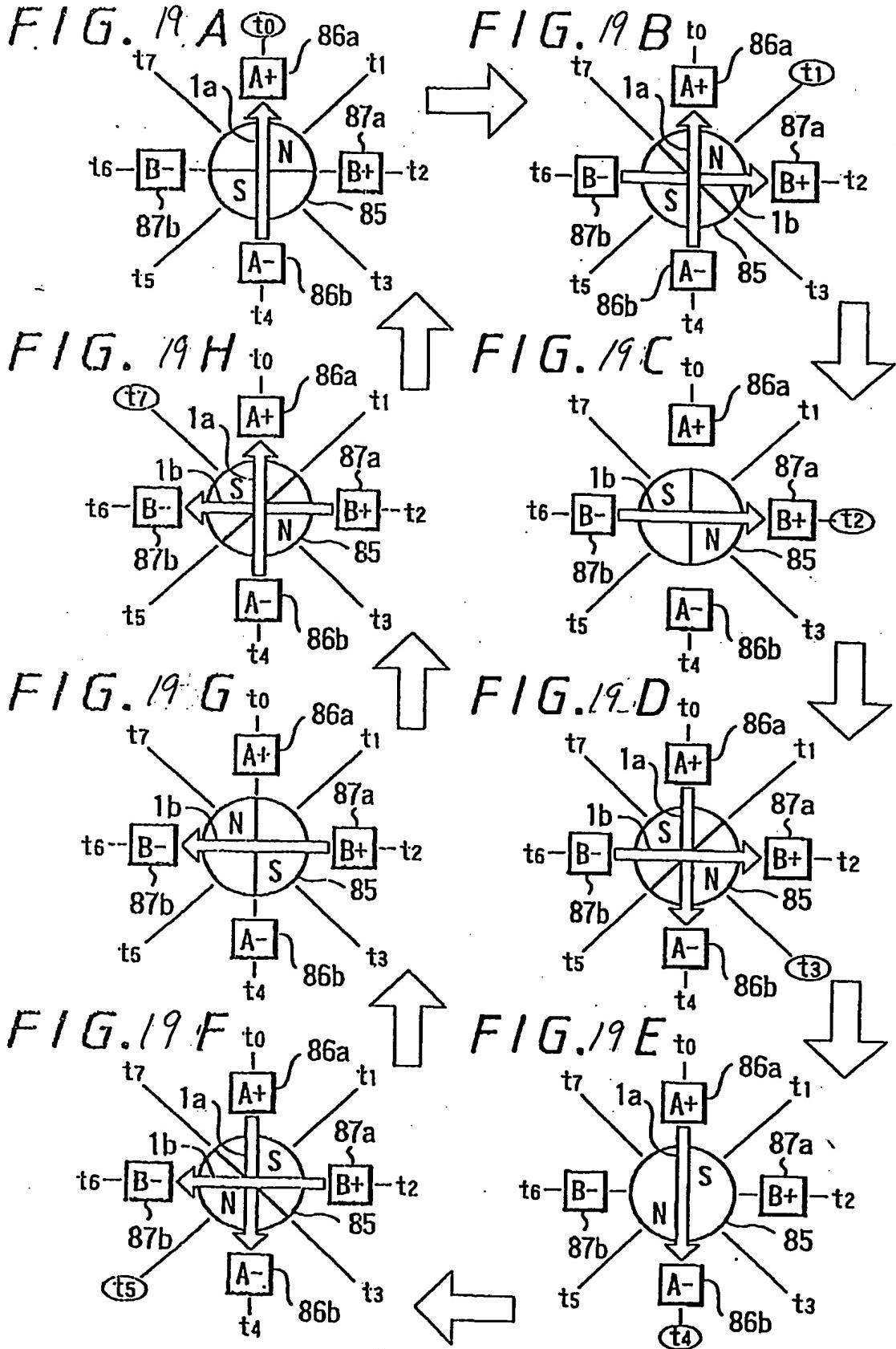


FIG. 18





*FIG. 20*

Microcomputer Output Terminals

A	H	H	L	L	L	L	L	H	H	H	L	L	L	L
XA	L	L	L	H	H	H	L	L	L	L	L	H	H	H

B	L	H	H	H	L	L	L	L	L	H	H	H	L	L
XB	L	L	L	L	L	H	H	H	L	L	L	L	H	

Coil Current

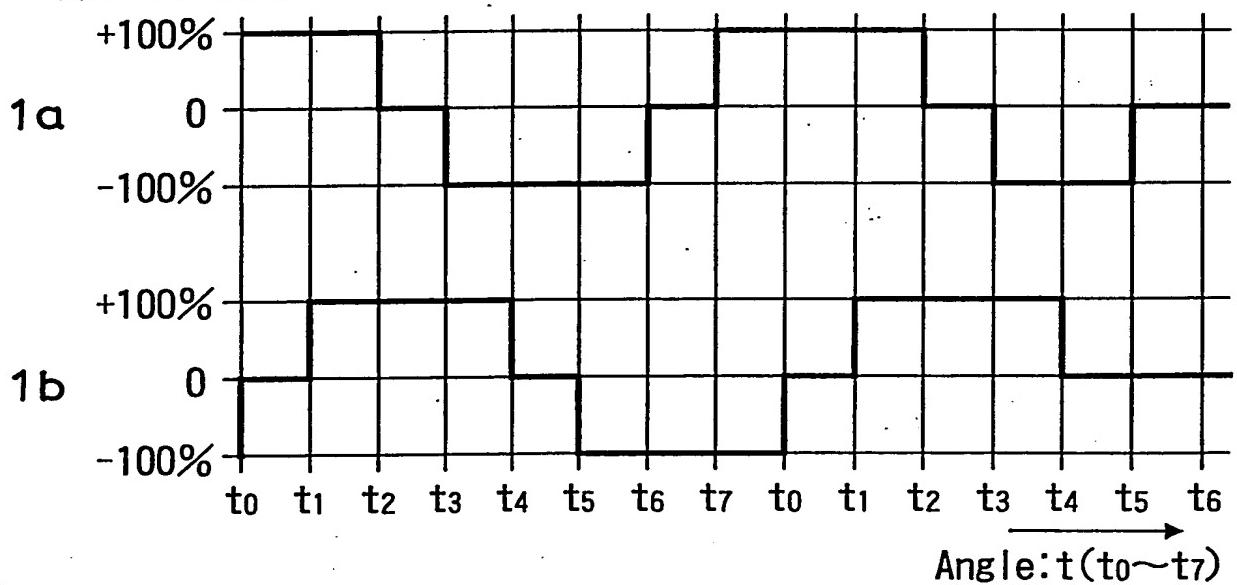


FIG. 21

t<sub>1</sub> Rotor Positional Deviation When Stopped Between A+ and B+ Phases

t<sub>2</sub> Rotor Positional Deviation When Stopped at B+ Phase

t<sub>3</sub> Rotor Positional Deviation When Stopped Between A- and B+ Phases

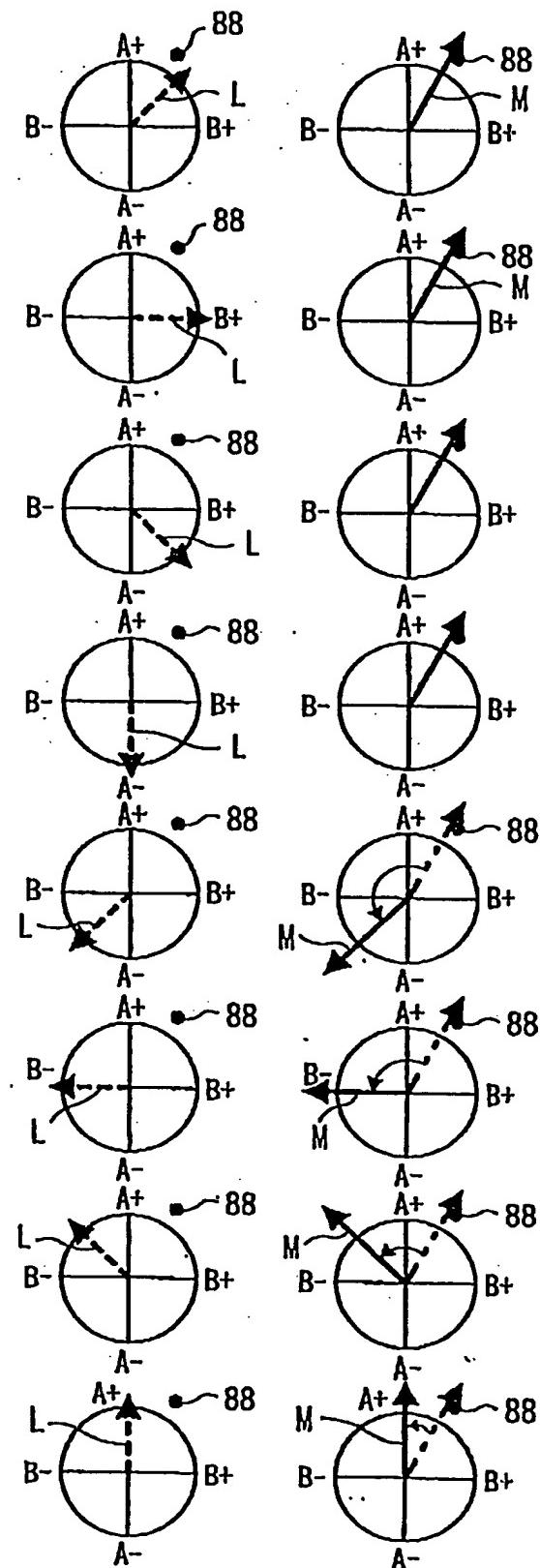
t<sub>4</sub> Rotor Positional Deviation When Stopped at A- Phase

t<sub>5</sub> Rotor Positional Deviation When Stopped Between A- and B- Phases

t<sub>6</sub> Rotor Positional Deviation When Stopped at B- Phase

t<sub>7</sub> Rotor Positional Deviation When Stopped Between A+ and B- Phases

t<sub>8</sub> Rotor Positional Deviation When Stopped at A+ Phase



Electrical Angle Phase Rotor Phase

Fig. 22

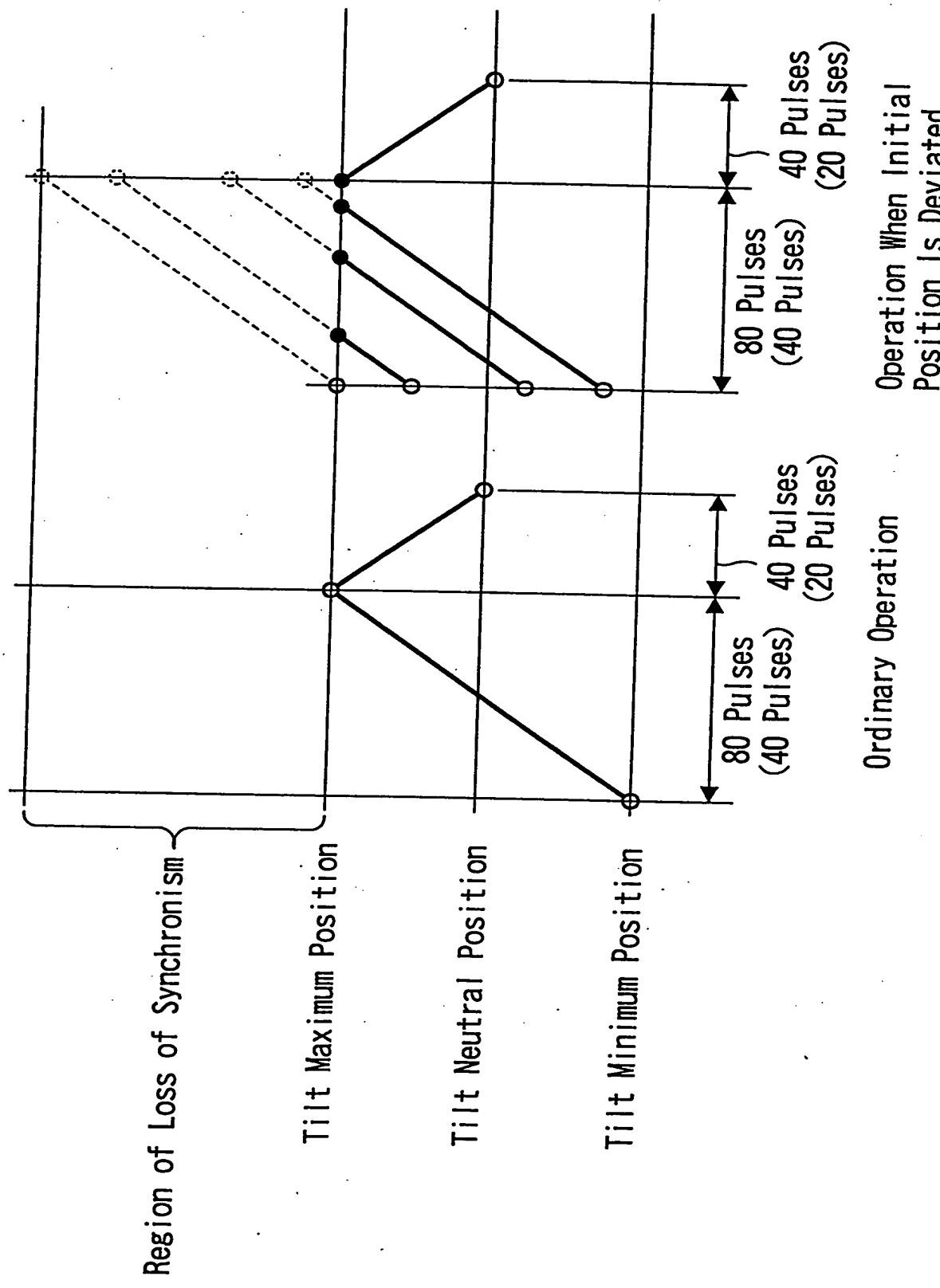


FIG. 23  
(Prior Art)

